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1. (currently amended)

An automated computer-controlled field-deployable monitoring system for collection and analysis of environmental contaminants and determining the concentration of an analyte of interest in ground water, industrial and surface water, comprising:

diversion means dividing a water sample into first and second flow paths, said first flow path directing the water sample to a sample chamber for analysis, and the second flow path passing the water sample through one of (a) a media, (b) a chamber, to eliminate the analyte of interest before introduction of water into ~~the~~ a sample chamber,

a calibration assembly to add a standard of predetermined concentration of analyte to the water after it passes through one of (a) the media, (b) the chamber, to eliminate the analyte of interest, ~~-and-~~

means to reunite said first and second flow paths into a single flow path, and

an analytical assembly to receice water from said single flow path to determine the concentration of the analyte in the sample water for either of the first or second flow paths.